

# ABSTRACT

## A COPPER ALLOY SUITABLE FOR AN IC LEAD PIN FOR A PIN GRID ARRAY PROVIDED ON A PLASTIC SUBSTRATE

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A copper alloy suitable for an IC lead pin for a pin  
grid array provided on a plastic substrate, which copper  
alloy is a Cu-Zn-Mg alloy, a Cu-Sn alloy, a Cu-SN-Ag alloy,  
a Cu-Fe-Zn-P alloy, or a Cu-Cr alloy, each having a given  
10 alloy composition, in which the copper alloy has  
conductivity of 50% IACS or more and tensile stress of 400  
MPa to 650 MPa.